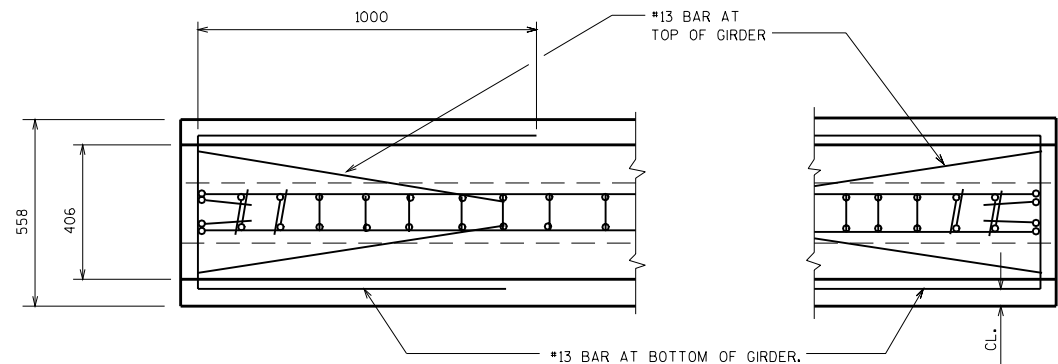


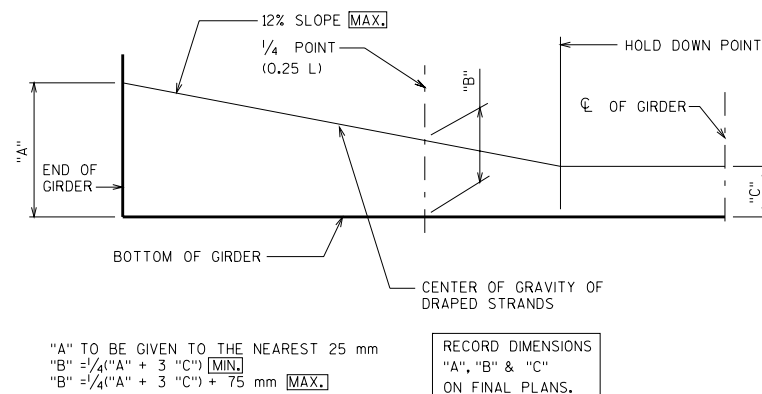
SUPPORT WITH STEEL OR ELASTOMERIC BRGS.

SUPPORT WITH 13 mm ELASTOMERIC BRG. PAD

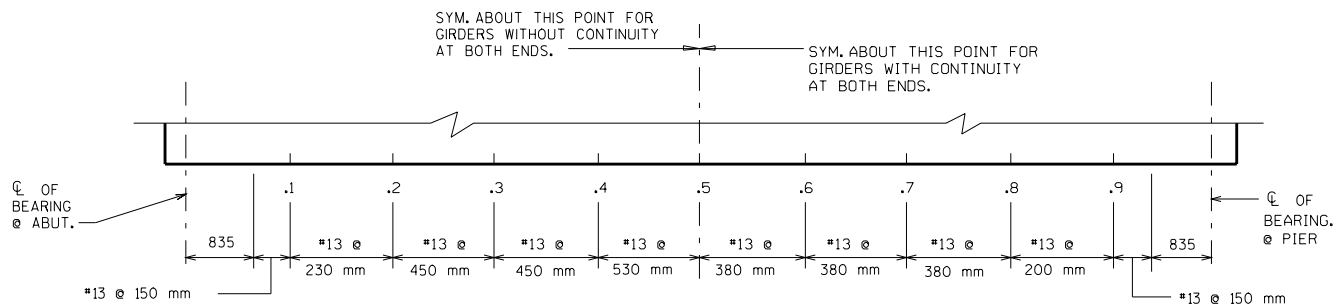
SIDE VIEW OF GIRDER



TOP VIEW OF GIRDER

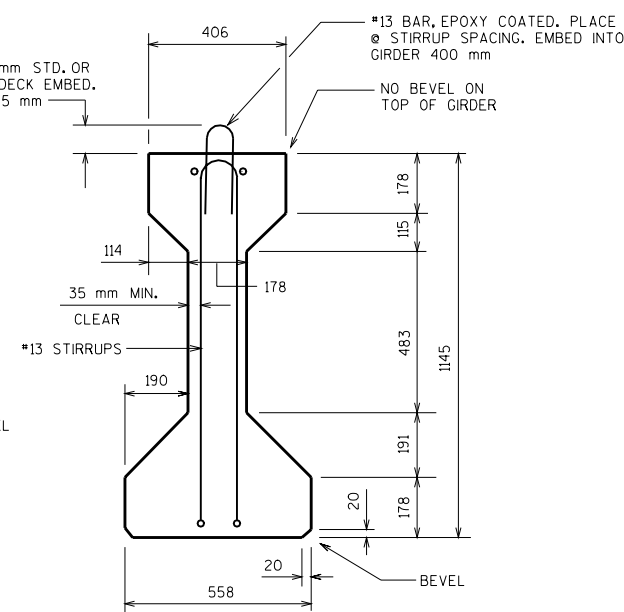


LOCATION OF DRAPED STRANDS

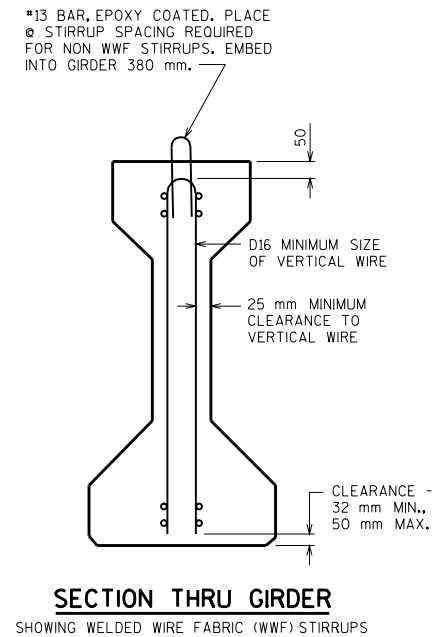


MAXIMUM STIRRUP NUMBER REQUIREMENTS

VALUES SHOWN ARE FOR STIRRUPS FOR 19800 mm SPANS AND 3900 mm GIRDER SPACING, MS18 LOADING. DESIGN STIRRUPS FOR OTHER CASES. USE #13 BARS AT 530 mm AS MINIMUM STIRRUP AREA.



SECTION THRU GIRDER



DESIGNER NOTES

THE MAX. NUMBER OF DRAPED 13 mm ϕ STRANDS IS 12 AND FOR 15 mm ϕ STRANDS THE MAX. IS 8.

SPECIFY CONCRETE STRENGTH AS REQUIRED BY DESIGN FROM A MINIMUM OF 42 MPa TO A MAX. OF 56 MPa. USE ONLY 13 mm ϕ STRAND FOR THE DRAPED PATTERN. USE 15 mm ϕ FOR THE STRAIGHT PATTERN.

GENERAL NOTES

THESE NOTES APPLY TO ALL GIRDERS.

THE GIRDERS SHALL BE PROVIDED WITH A SUITABLE LIFTING DEVICE FOR HANDLING AND ERECTING THE GIRDERS. ALL GIRDERS SHALL BE CAST FULL LENGTH AS SHOWN.

STRANDS SHALL BE FLUSH WITH END OF GIRDER. ENDS OF STRANDS SHALL BE PAINTED WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. THIS APPLIES ONLY TO THOSE ENDS OF GIRDERS THAT ARE FINALLY EXPOSED.

TOP OF GIRDER TO BE ROUGH FLOATED AND BROOMED TRANSVERSELY FOR BONDING TO THE SLAB, EXCEPT THE OUTSIDE 50 mm OF GIRDER, WHICH SHALL BE TROWEL FINISHED.

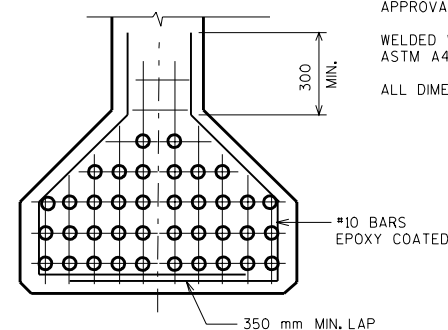
SPACING SHOWN FOR #13 STIRRUPS IS FOR GRADE 420 REINFORCEMENT. IF THE FABRICATOR WANTS TO BUILD A BAR STEEL CAGE BY WELDING LONGITUDINAL REINFORCEMENT TO THE #13 STIRRUPS, TWO OPTIONS ARE AVAILABLE:

1. USE ASTM A706M, GRADE 420 REINFORCEMENT AND THE STIRRUP SPACING AS SHOWN ON THE PLANS.
2. USE ASTM A615M, GRADE 300 REINFORCEMENT AND A MODIFIED STIRRUP SPACING SUBMITTED TO AND APPROVED BY THE STRUCTURES DEVELOPMENT SECTION.

AN ALTERNATE EQUIVALENT OF WELDED WIRE FABRIC (WWF) MAY BE SUBSTITUTED FOR THE STIRRUP REINFORCEMENT SHOWN, UPON APPROVAL OF THE STRUCTURES DEVELOPMENT SECTION. (608)266-8494.

WELDED WIRE FABRIC SHALL CONFORM TO THE REQUIREMENTS OF ASTM A497.

ALL DIMENSIONS ARE IN MILLIMETERS.



DETAIL A

1145 mm PRETENSIONED GIRDER DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DEVELOPMENT SECTION

APPROVED: _____

DATE:
1/03